

## ABSTRACT

An object of the present invention is to provide an aluminum-based target having a large area which has internal defects such as blow holes reduced to a minimum and has no warp. The aluminum-based target consisting of a plurality of aluminum alloy target members has a joint in which the aluminum alloy target members are joined with a friction stir welding method. The joint contains precipitates of an intermetallic compound with diameters of 10  $\mu\text{m}$  or smaller dispersed in an aluminum matrix, and blow holes with diameters of 500  $\mu\text{m}$  or less in an amount of 0.01 to 0.1/cm<sup>2</sup>.